

Based Upon: PCT/EP2004/006251

Amendments to the Specification

Please insert the following subtitle and paragraph on a separate page following the last page of the application:

ABSTRACT OF THE DISCLOSURE

The invention relates to a method for producing a hardened steel part having a cathodic corrosion protection, whereby a) a coating is applied to a sheet made of a hardenable steel alloy in a continuous coating process; b) the coating is essentially comprised of zinc; c) the coating additionally contains one or more oxygen-affine elements in a total amount of 0.1% by weight to 15% by weight with regard to the entire coating; d) the coated steel sheet is then, at least in partial areas and with the admission of atmospheric oxygen, brought to a temperature necessary for hardening and is heated until it undergoes a microstructural change necessary for hardening, whereby; e) a superficial skin is formed on the coating from an oxide of the oxygen-affine element(s), and; f) the sheet is shaped before or after heating, and; g) the sheet is cooled after sufficient heating, whereby the cooling rate is calculated in order to achieve a hardening of the sheet alloy. The invention also relates to a corrosion protection layer for the hardened steel part and to the steel part itself.